Airflow®

A Division of Casablanca Fan Company

Energy

La Habra
Owner's Manual

CONTENTS

INTRODUCTION 1
MOUNTING RECOMMENDATIONS 2
PREPARATION INSTRUCTIONS 3
FAN INSTALLATION 4
CONTROL FEATURES:
3-SPEED OPERATIONS 6
TROUBLESHOOTING 7

READ AND SAVE THESE INSTRUCTIONS

SAFETY FIRST

Safety and the proper operation of your Airflow fan both require a thorough knowledge of the product and proper installation; therefore, before attempting to install and operate your Airflow fan, read this owner's manual completely and carefully. Retain this manual for future reference.

CAUTION: To avoid possible electrical shock, make certain that electricity is turned off at the circuit breaker or fuse box before attempting any installation procedure.

BEFORE YOU START

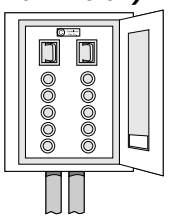
- All wiring must be in accordance with the National Electric Code ANSI/NFPA 70-1993 and the appropriate local electrical codes. The National Electric Code requires proper grounding as a precaution against electrical shock. A qualified electrician should be consulted if you are unsure.
- This fan is designed to be installed on an existing electrical outlet box. The outlet box must be UL Listed for ceiling fan installations, if it is not, a new box must be installed. Airflow extension poles are available for sloped or high ceiling installations.
- This ceiling fan requires a grounded electrical supply of 120 VAC, 60 Hz and a minimum 15 amp circuit. The maximum current requirement for the fan with light fixture is 3.8 amps. The fan uses about 1 amp or 100 watts. Maximum light current is 2.8 amps or 340 watts of lighting.
- Where wire nuts are employed, be sure all bare wires are within the connectors. When installing the canopy hatch, make sure all wires are within the canopy and that no wires are being pinched.

For best performance and for your warranty to be valid,
use only genuine Airflow blades, light fixtures, and accessories.

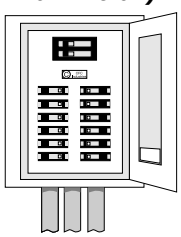
SAFE USE

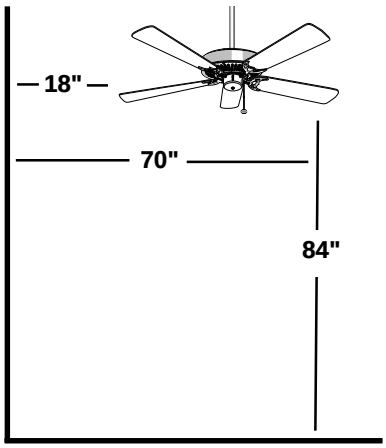
- The blades in each pack are matched for equal weight to assure smooth fan operation. If more than one fan is being installed, be careful not to mix blades from different cartons.
- Inspect the contents of your carton for possible shipping or handling damage and report any such damage directly to your authorized Airflow dealer.
- It is always a good idea to have an assistant to help with the installation.
- When cleaning, painting, or working near your fan, be very careful of the fan and blades. Always turn the power OFF to the ceiling fan before servicing it, working on it, or replacing light bulbs.
- Never insert anything into the path of the fan blades while the fan is in operation.
- Never install a fan over a pool or spa.
- Never operate a fan that has been damaged in any way. Contact Airflow by calling toll free 1-888-227-2178, or contact your local authorized Airflow dealer for assistance in obtaining service.

FUSE BOX
(REMOVE FUSE FOR THE CIRCUIT YOU WILL BE WORKING ON)



CIRCUIT BREAKER
(TRIP BREAKER FOR THE CIRCUIT YOU WILL BE WORKING ON)





Airflow
A Division of Casablanca Fan Company

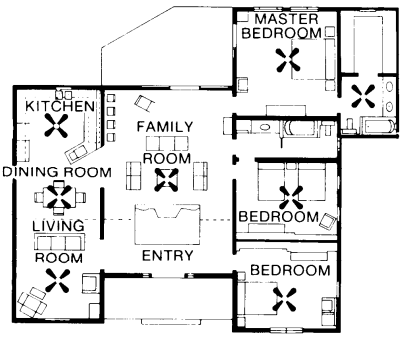
MOUNTING RECOMMENDATIONS

Before mounting your Airflow fan, read the following helpful recommendations. The location of the fan, air circulation, and fan size are all important factors to consider before installation.

Location

Ceiling fans have practical uses in almost every room in your home. We suggest you follow these mounting recommendations as you decide where to install your Airflow fan.

- For safety reasons, the fan blades must be a minimum of 7' above the floor.
- Do not locate the fan in a doorway or above a swinging door.
- In any installation, the tips of the blades must be at least 18" from the wall in order to provide sufficient clearance for the blades.
- In bedrooms, fans work best when mounted above the foot of the bed.
- Over pool tables, be sure to provide plenty of clearance to avoid damage from pool cues.
- In kitchens be sure to allow for open cupboard doors to clear the fan blades.
- Do not install a fan close to, or over, a pool or spa. High humidity combined with corrosive gases will destroy the finish and warp the blades.



Fan Size

Variable fan speed capability permits the use of a full-size 52" fan even in smaller rooms. For very large rooms, two fans may be needed.

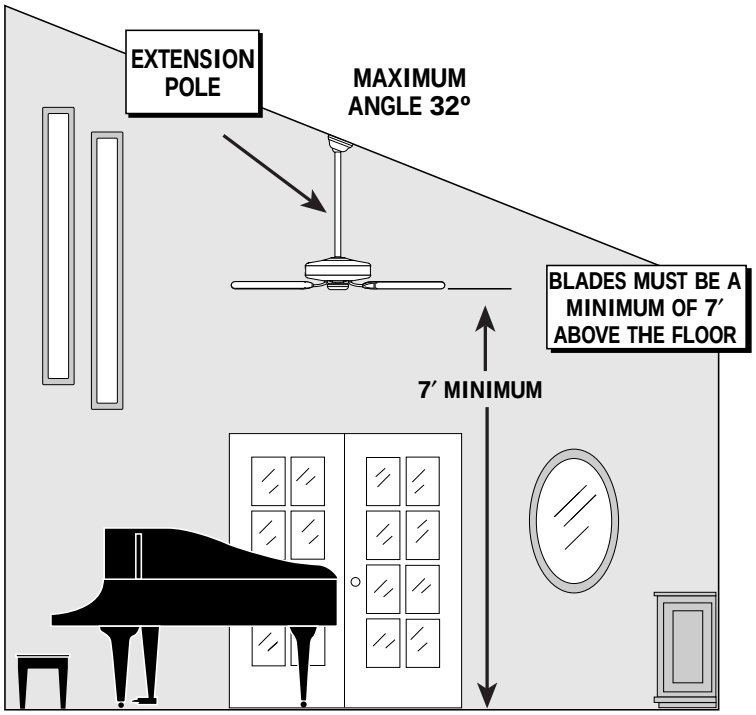
SLOPED CEILING INSTALLATIONS

Suggested Extension Pole Lengths

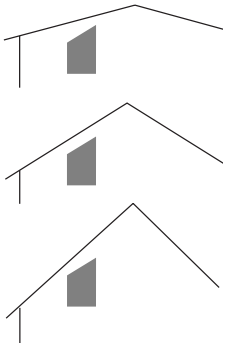
Ceiling Height	Pole Length
8'	Standard
8' 6"	Standard
9'	6"
9' 6"	12"
10'	12"
11'	18"
12'	24"
13'	36"
14'	48"

When to Use Extension Poles

For best performance and best appearance, an extension pole should be used with your Airflow fan when installing on high (cathedral) ceilings or sloped ceilings. Airflow offers standard poles in increments of 6" up to 5'. Custom poles are available in lengths up to 10'. See your Authorized Airflow Dealer for details.



Note: *Fan may wobble or vibrate if pole length is not long enough and inside blade is too close to downslope or side wall. Extending pole length will usually solve problem.*



EXAMPLE 1
This slope is less than 32˚.
It is OK to install your fan.

EXAMPLE 2
This slope is 32˚. This is the maximum slope that will allow the fan to hang straight down. It is OK to install your fan.

EXAMPLE 3
This slope is more than 32˚.
Your fan will not hang straight down, an adaptor is necessary. Contact your local Authorized Airflow Dealer in regards to purchasing a "Slope Ceiling Adaptor."

Calculation of 32°

Use the tear-off *Ceiling Angle Template* card inserted in the back of this manual, it provides you with a simple 'go' or 'no-go' for installing your fan on a sloped ceiling.

PREPARATION INSTRUCTIONS

Unpacking: Before assembling and installing your ceiling fan, remove all parts from the shipping cartons and check them against the parts listed here. Before discarding packaging material, be certain that all parts have been removed.

GETTING STARTED

Unpacking
Before assembling and installing your ceiling fan, remove all parts from the shipping cartons and check them against the parts listed here. Before discarding packaging material, be certain that all parts have been removed.

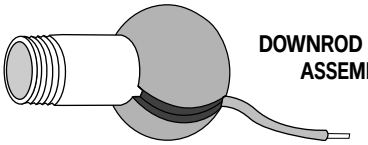
Be sure to only use genuine Airflow blades. The blade shrink wrap holds 5 blades of matched weight. If more than one fan is being installed, be sure not to mix blade sets.

CAUTION: When removing the shrink wrap, be careful not to scratch the blades.

PERMA•LOCK™ HARDWARE

ALLEN SET SCREW
¼-20 x ¼"
(PRE-INSTALLED)

3mm
ALLEN WRENCH



DOWNROD & BALL ASSEMBLY

FAN PREPARATION

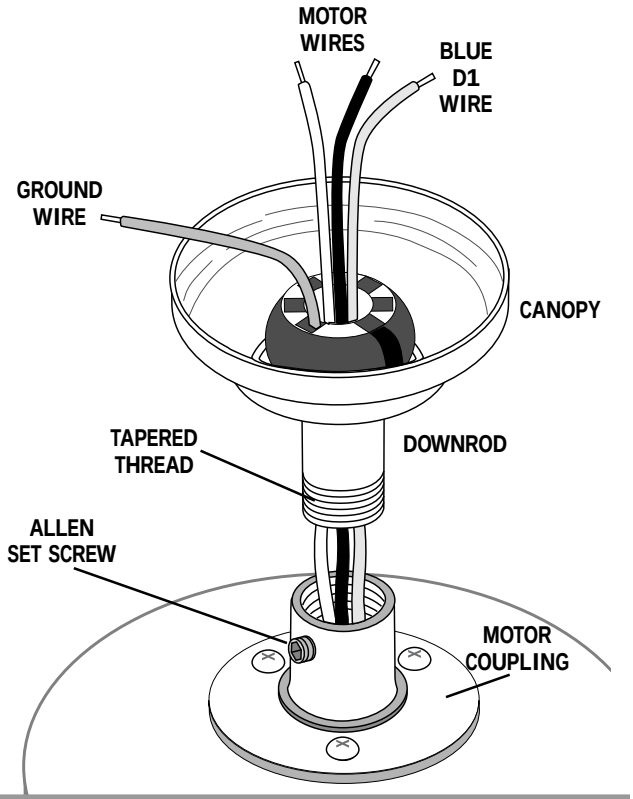
Prepare for fan installation as follows:
Step 1. Route the wires from the motor through the canopy, then the Perma•Lock™ downrod and ball assembly.

Tip: The downrod has a tapered thread that is designed to lock completely when correctly installed.

Step 2. Using the provided allen wrench, loosen the set screw several turns to allow installation of the downrod. Thread the downrod into the motor coupling until it stops turning, this will take at least four and a half full turns.

Step 3. Securely tighten the set screw with the provided allen wrench to ensure safe operation of your fan.

CAUTION: Failure to fully lock in the downrod before securely tightening the allen set screw may cause the fan to separate from the downrod during normal operation!



GETTING STARTED

Installing a New Ceiling Fixture Outlet Box
If you do not have an existing fixture located where you wish to place your fan, an approved ceiling fixture outlet box must be installed and wired.

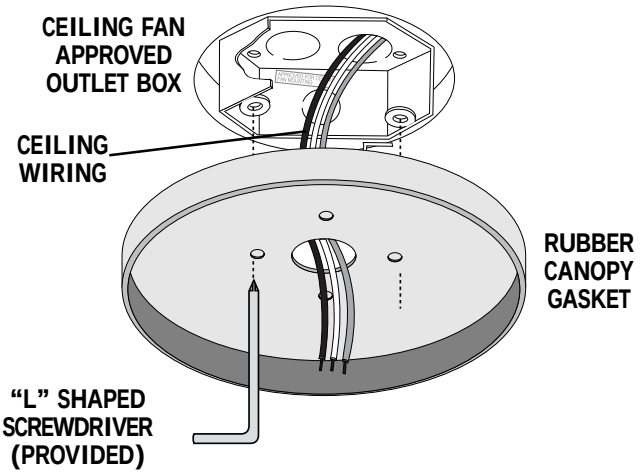
WARNING: To reduce the risk of fire, electrical shock, or personal injury, mount to outlet box marked acceptable for ceiling fan support using the mounting hardware provided with the outlet box.

Using Existing Ceiling Fixture Outlet Box
After turning the power OFF at its source (either circuit breaker or fuse box), lower the old fixture and disconnect the wiring. Check the ceiling fixture outlet box to be sure that it is marked '*Approved for ceiling fan mounting*'. If it is not, a new box must be installed.

PUNCH HOLES IN RUBBER GASKET

Step 4. Run the wires from the ceiling outletbox through the center hole of the rubber canopy gasket.

Center the rubber canopy gasket over the ceiling fixture outlet box. Using the "L" shaped screwdriver provided, punch a hole through the rubber gasket through the screw hole of the ceiling fixture outlet box. Repeat for other screw hole.



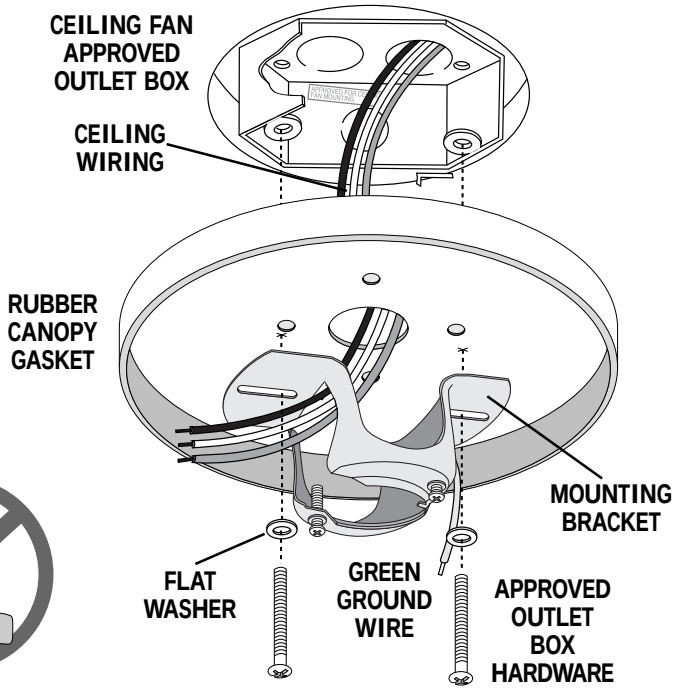
MOUNTING BRACKET INSTALLATION

Step 5. Attach the bracket to the ceiling fixture outlet box with the mounting hardware included with the outlet box.

Tighten the screws firmly by hand only, being careful not to bend the bracket by over tightening.

NOTE: *On sloped ceilings, align the canopy opening towards the top or room peak.*

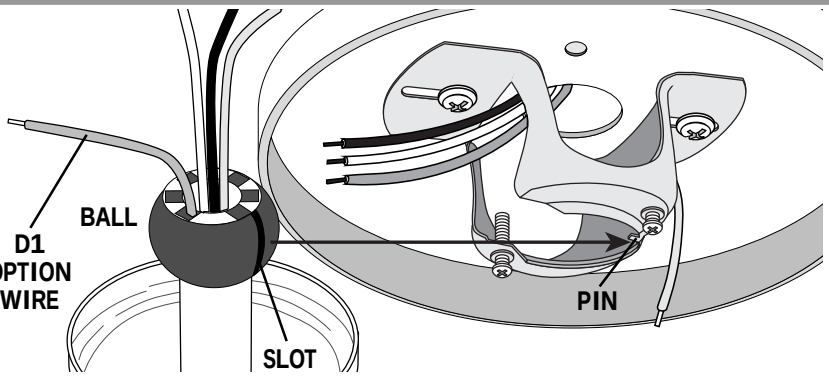
CAUTION: To reduce the risk of personal injury, use only the mounting hardware provided with the approved outlet box to install the crossbar mounting bracket.



HANGING THE FAN

Step 6. To hang the fan body in the mounting bracket, hold the fan body firmly and insert the ball into the bracket opening. Check that no wires were pinched. Rotate the fan body until the slot in the nylon ball fits into the pin opposite the bracket opening.

NOTE: *Fan weight is 19 lbs.*



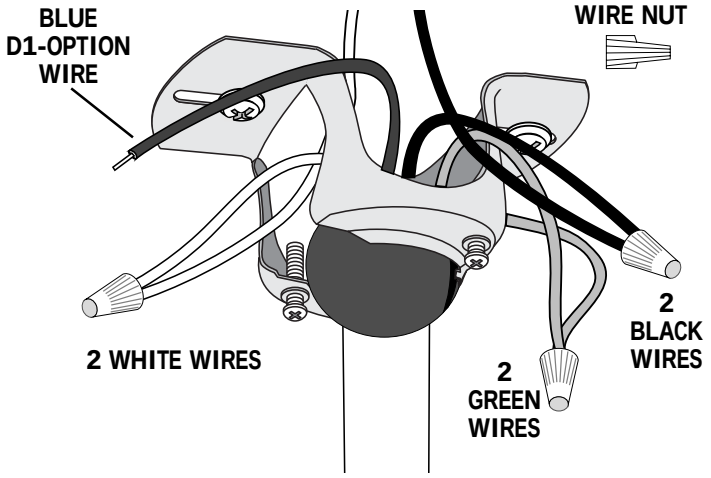
CAPPED BLUE D1-OPTION WIRE ON 3-SPEED ONLY FOR INDEPENDENT W-80 LIGHT CONTROL

ELECTRICAL CONNECTIONS

Step 7a. Attach the fan wires to the ceiling fixture outlet box wiring by twisting the bare ends of the wires together and then securing with a wire nut. Test that the connection is secure by pulling on the wire nut. Connect in this order:

Step 7b.

- GREEN leads from mounting plate and fan to GROUND conductor of power source. Secure with wire nut.
- WHITE wire from fan to white NEUTRAL wire in ceiling fixture outlet box. Secure with wire nut.
- BLUE wire and BLACK power wire from fan to BLACK power wire in ceiling outlet box. Secure with wire nut.

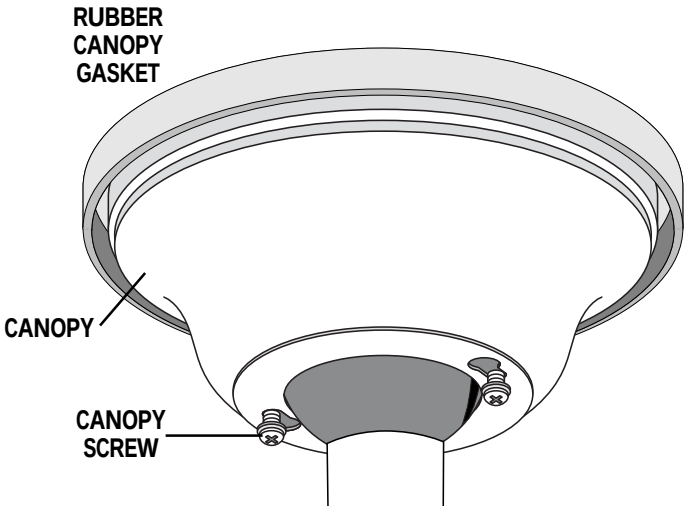


CANOPY HATCH INSTALLATION

Step 8. Tuck the wires into the outlet box with the wire nuts pointed upwards, so that the WHITE and BLACK wires are on opposite sides of the outlet box and all wires are clear of the bracket opening.

Step 9. Loosen the 2 canopy screws in the mounting bracket. Raise the canopy to the mounting bracked, assuring that no wires are pinched, and pass the canopy screws through the keyholes in the canopy.

Step 10. Rotate the canopy counter clockwise to engage the keyholes. Tighten the canopy screws firmly by hand only.

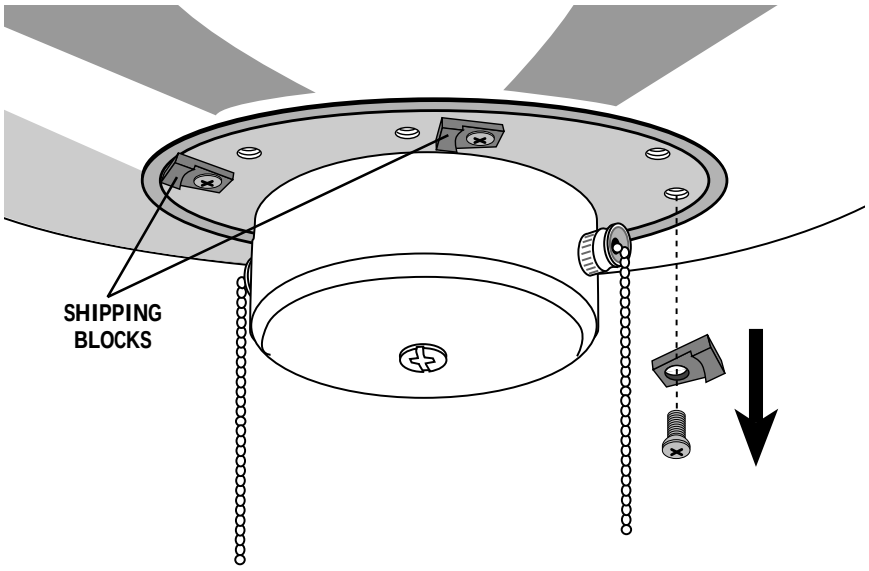


REMOVE SHIPPING BLOCKS

Step 11. On the motor remove the four shipping blocks by unscrewing the screws. Set these screws aside for installing the blades in Step 12.

Discard the five shipping blocks.

> ***Note:*** *Save these five screws, they will be used in Step 12!*

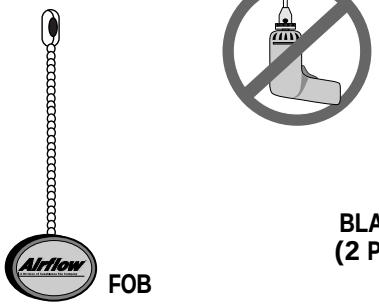


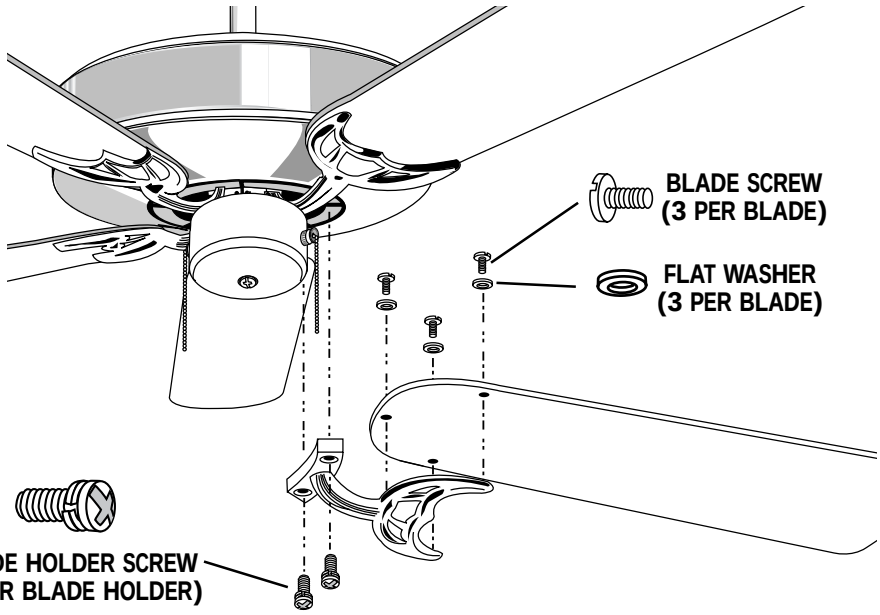
BLADE & BLADE HOLDER INSTALLATION

Step 12. Attach the blades to the blade holders with the three blade screws and flat washers provided for each blade. Hand tighten securely.

Install the assembled blade and blade holder to the fan motor.
Hand tighten securely.
Repete for each blade assembly.

Attach the pull chain fob.



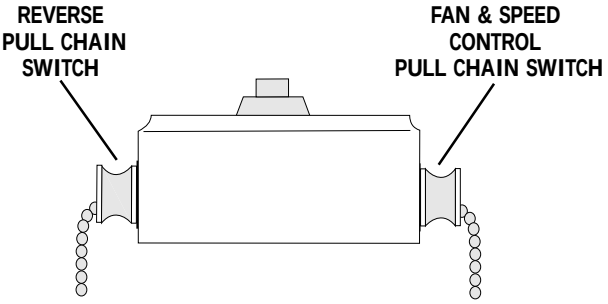


3-SPEED ✦ OPERATION

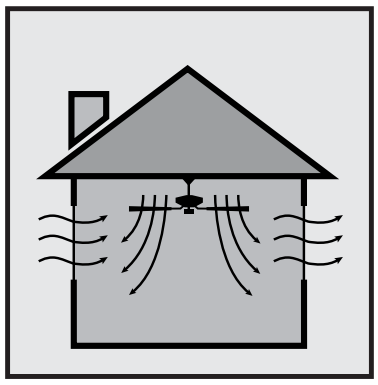
Pull-chain switches on the fan control the fan and lights.
Using the fan control pull-chain switch: Fan off at start.

- *First pull:* fan ON, low speed
- *Second pull:* medium speed
- *Third pull:* high speed
- *Fourth pull:* fan OFF

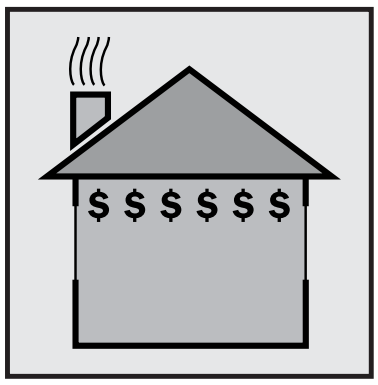
Direction of blade rotation is controlled by the reverse pull chain switch on the side of the switch housing.



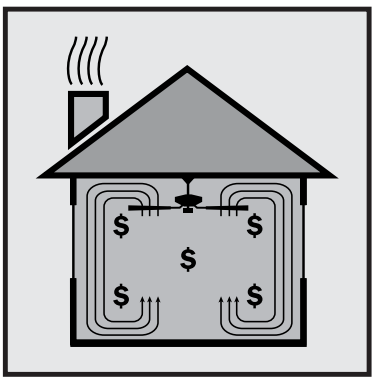
SAVING MONEY WITH YOUR CEILING FAN



***IN SUMMER**, the movement of air creates a cooling "wind chill" effect. A room can actually feel several degrees cooler, without setting the thermostat lower.*



***IN WINTER**, hot air rises to the ceiling while cool air settles to the floor. Trapped against the ceiling, the warm air is wasted. If you turn up the thermostat, energy costs will rise.*



***RUNNING IN REVERSE**, your Casablanca fan can recirculate warm air near the ceiling down into the living area, providing even heating and comfort (with a pleasant effect on heating bills).*

TROUBLESHOOTING

BEFORE REQUESTING SERVICE:
Please follow this troubleshooting guide before contacting your dealer for assistance.

Caring for Finishes: For cleaning, a soft brush or lint-free cloth should be used to prevent scratching the finish. A vacuum cleaner brush nozzle can remove heavier dust. Surface smudges or an accumulation of dirt and dust can easily be removed by using a mild detergent and slightly dampened soft cloth. An antistatic agent may be used, but ***never*** use abrasive cleaning agents. These will damage the finish. Painted and high-gloss blades may be cleaned in the same manner.

Blades: Wood finish blades should be cleaned with a furniture polishing cloth. Occasionally, a light coat of furniture polish may be applied for added protection and beauty.

Never Lubricate this Fan!
The precision motor at the heart of your Airflow fan features sealed bearings that are lubricated for life. Do not attempt to oil the motor.

Changing Light Bulbs
Be sure to turn power to the fan OFF at the wall switch or circuit breaker before changing light bulbs. Replace bulbs with same type as removed from the fixture. Each fan is rated for a maximum **TOTAL** wattage of lighting.
Exceeding the rated maximum allowable wattage for the fan will burn out the fan electronics module and void the warranty.

PROBLEM	3-SPEED	POSSIBLE REMEDIES
FAN WILL NOT START	Check main circuit fuses, circuit breakers, or wall switch position. Check all wire connections, making sure the power is turned off during this inspection. Check that reverse switch is not set in center of throw.
FAN WOBBLES OR SHAKES EXCESSIVELY	Be sure mounting bracket pin is properly set into the slot on the ball. Check the screws holding the blade holders to the motor. Tighten as necessary. Check that bladeholders have not been bent during installation.
FAN NOISY DURING OPERATION	Check and tighten light fixture retaining screws, glass shade screws and/or the light bulb(s) as neccessary. Tighten the blade to bladeholder screws. Tighten canopy screws and mounting plate assembly. Check and tighten blade holders to motor. Make sure all screws in the motor housing are snug, but not overly tight. Check that the wire nuts inside the canopy and switch housing are not touching the metal parts or have fallen off the wire splices. Tighten or adjust as necessary.
BREAK-IN PERIOD	Let fan run at high speed for two (2) hours
DOES NOT RUN ON LOW SPEED	If new, “break-in” may be required - run at higher speed for several days

FAN WEIGHTS

La Habra: 19 lbs

For questions or to locate the nearest Airflow Authorized Service Center call toll free:
1-888-227-2178

La Habra

PERFORMANCE AND ENERGY INFORMATION

Fan Speed	Airflow (CFM)*	Power Use (watts)	Airflow Efficiency (CFM/watt)
Low	1720	9	183
Med	3227	26	120
Hi	5752	67	85

*Measured according to the ENERGY STAR®-approved Solid State test method.

Ceiling fan airflow is measured in cubic feet per minute (CFM). Power use is measured in watts. To maximize energy savings,

- Choose a fan with high airflow efficiency (CFM/watt).
- Use ENERGY STAR®-labeled lighting in your fan.
- Remember to switch off your fan when you leave the room.

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